Mini Projector User's Guide

Please read this manual before
operating product for the first time.

Model P50

Table of Contents

1. Table of Contents----------1
2. Warnings----------2
3. Accessories----------4
4. Overview----------5
5. Remote Control Functions----------6
6. General Operation----------7
    a. Startup and Shutdown----------7
    b. Positioning----------7
    c. Focus/Throw Distance----------8
    d. A/V Input----------9
    e. VGA Input----------9
7. Settings Menu----------10
8. Specifications----------11
9. Maintenance----------12
10. Trouble Shooting----------13
11. Other----------14
12. Warranty----------15-17

Warning: To reduce the risk of electric shock, do not remove the cover or back, do not expose the projector to rain or moisture. There are no user- serviceable parts inside. Refer servicing to qualified service personnel.

WARNINGS

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Observe all warnings.
4. Follow all instructions.
5. Do not use the projector near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Use in accordance with the manufacturer's instructions.
8. Do not use near any heat sources such as laptops, radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug the projector during lightning storms or when unused for long periods of time.

12. Refer all servicing to qualified service personnel. Servicing is required when the projector has been damaged in any way, such as when a power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the projector, the projector has been exposed to rain or moisture, does not operate normally, or has been dropped.

13. The projector should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the projector.

14. The projector should be used in a well ventilated area to prevent overheating.

Accessories

Remote Control

Power Adapter

Composite A/V Cable

VGA Cable

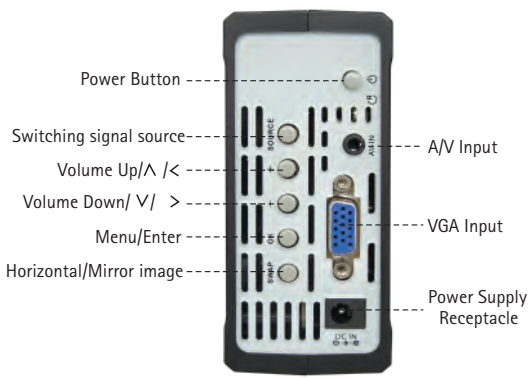
Carrying Bag

Rubber Stand

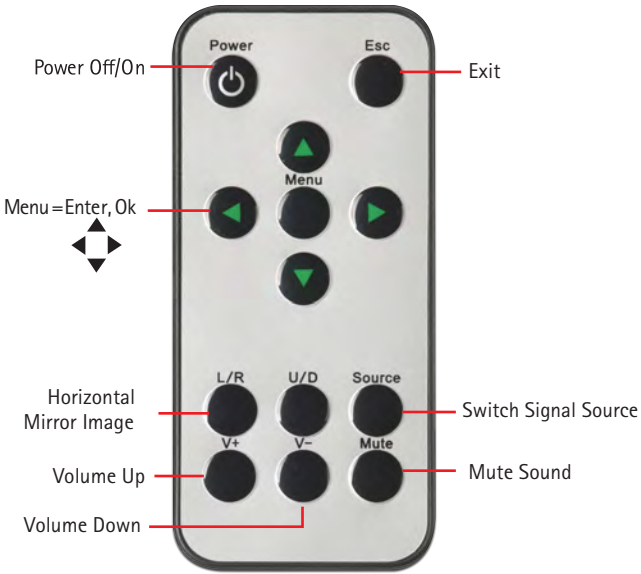
Overview

Front View

Rear View



Remote Control Functions



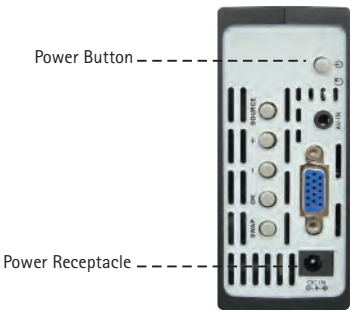
General Operation

Startup and Shutdown

Startup - Connect the power supply or external battery to the rear power receptacle. Press the power button to turn on.

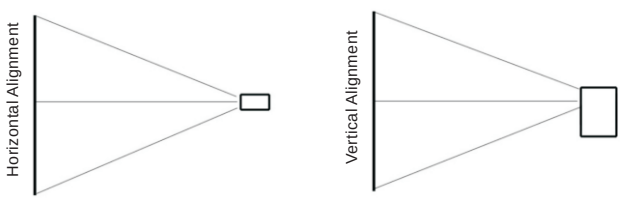
Shutdown – Press the power button, and the optical engine will turn off.

Note: After powering off, fan may continue running to cool down unit. Please do not unplug the projector until fan has stopped.



Positioning

Position projector level with the wall, screen or other surface on which you will projecting the image. Make sure the projector is at a right angle to the wall or screen, or the image will appear distorted.



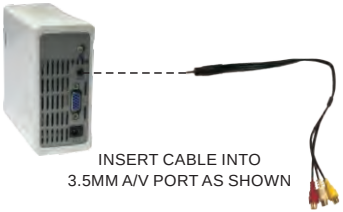
Focus Adjustment/Throw Distance

The focus can be adjusted by turning the wheel located at the front of the projector. The projector is capable of the following throw and focus distances:

Diagonal size (inch)	Diagonal size (mm)	Vertical size (mm)	Horizontal size (mm)	Throw distance (mm)
30	762	457	610	1250
40	1016	610	813	1666
50	1270	762	1016	2083
60	1524	914	1219	2499
70	1778	1067	1422	2916
80	2032	1219	1626	3332
90	2286	1372	1829	3749
100	2540	1524	2032	4166

A/V Input

The Projector contains an A/V (Audio/Video) line-in port. You can connect to any device which comes with A/V output function. These sources are connected through a 3.5mm A/V cable (Included).



To connect with an A/V cable, insert the 3.5mm portion into the A/V port of the projector. Press the power button and the projector will initialize.

VGA Connection

An extended desktop screen will be displayed when connecting to any device with a standard VGA display port (15 pin).

Settings Menu

The Settings Menu can be accessed by pressing the Menu button on the remote control or on the back of the projector. The following options can be accessed through the settings menu, and can be adjusted using the <- and -> buttons on the remote control: Contrast, Brightness and Saturation.

Specifications

PROJECTION SYSTEM

Native Resolution:	SVGA (800x600)
Brightness:	50 ANSI-Lumens
Contrast Ratio:	200:1
Noise:	<20 dBA
Projection Image:	Available Size 15 ~ 80 inch
Projection Lens:	Manual Focus
Lamp Life:	20,000 Hours
Projection Angle:	33.6°

GENERAL SPECS

Audio/Video Input:	Stereo Audio
Composite Video	(CVBS)
Audio Output:	built-in 2 x 1W speaker
VGA:	PC VGA
Power Adaptor:	Input: AC100 - 240V, 50Hz/60Hz
Output:	15V 2.4A
Power Consumption:	28 Watts
Operating temperature:	0°C - 40°C
Operating humidity:	25% - 88%
Weight:	374g
Dimensions:	112*105*46mm(LxWxH)

Maintenance

The RCA P50 Projector requires very little maintenance.

• **Lens Cleaning –** You should keep the lens clean and free of dirt and debris by using a soft lint-free cloth.

• **General Cleaning –** To clean the projector case, first unplug the projector and wipe the projector with a soft lint-free cloth.
Do not use alcohol, benzene, or other cleaning detergents as this may cause discoloration or warping of the case.

• **Lamp Replacement –** The projector incorporates a 20,000 hour LED lamp that does not need replacement. Do not attempt to replace the LED lamp.

• **Opening the Projector –** There are no serviceable parts in the projector. Do not attempt to open.

• **Remote Control Battery Replacement –** The Remote control uses a CR2025 battery. Please use only CR2025 type batteries for replacement.

Troubleshooting

THE PROJECTOR DOES NOT TURN ON

POSSIBLE CAUSES	SOLUTION
There is no power	Check to ensure the power outlet or battery source is good. Check the power adapter to ensure a proper connection with the wall outlet as well as the projector.
The projector is in the shut-down cooling cycle	If you hear a fan, the unit is still running it's cooling cycle. Wait until the projector has fully cooled to restart.

IMAGE IS BLURRED

POSSIBLE CAUSES	SOLUTION
The Projector is not in Focus	Turn the focus adjustment dial until the image is clear.
The Projector is offset from plane / angle of operation	Move the projector so that it is at both 180 degrees and on an even plane with the screen. Please see Page 8.
Lens is dirty	Gently wipe lens with soft lint free cloth.

POWER, BUT NO PICTURE

POSSIBLE CAUSES	SOLUTION
VGA cable is not connected properly	Reconnect VGA cable to ensure proper connection.
Laptop computer does not switch automatically to external VGA mode	Manually switch laptop computer to external VGA mode.
PC VGA output mode is not in range of specification of the projector	Supported resolutions: 640*480/800*600/1024*768 Supported frequencies:60Hz/70Hz/75Hz Abnormal projection may occur if specification is not in above range.

Troubleshooting

A/V PORT DOES NOT WORK

POSSIBLE CAUSES	SOLUTION
AV cable is not connected properly	Connect AV cable again to ensure the correct connection.
External video device, does not display	Ensure external video device has output.

REMOTE CONTROL DOES NOT WORK

POSSIBLE CAUSES	SOLUTION
The remote control battery is dead	Replace the battery with comparable CR2025 battery

Other

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference.
(2)This device must accept any interference received including interference that may cause undesired operation.

FCC Statement

Federal Communications Commission (FCC) statement
This Equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These Limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequencyenergy and, if not installed and used in accordance with the instructions maycause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*

Product information is subject to change without prior notice.

Limited Warranty

What your warranty covers:
• Defects in materials or workmanship

For how long after your purchase:
• One year, from date of purchase

What we will do:
• Repair your unit or provide you with a replacement unit. The repaired or exchanged unit is under warranty for the remainder of the original product's warranty period, or ninety days, whichever is longer.

How you get service:

• Locate your proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period. Proof of warranty eligibility is required and must be presented to obtain warranty service.

• Contact RCA Customer Care at (800) 274-3014. Our representatives will help you troubleshoot and diagnose the problem. If the issue cannot be resolved by our Customer Care Team, you will be issued an RMA (Return Merchandise Authorization) number and be given instructions on how to submit your proof-of-purchase paperwork and where to send your defective merchandise.

• You will be responsible for shipping the defective unit back to our warranty fulfillment center at your own expense. You are responsible for damage or loss during shipment so insuring the product during return shipping is highly recommended.

• Upon receipt of your unit, we will repair or replace it and return to you freight pre-paid.

Limited Warranty

What your warranty does not cover:

• Customer instruction. (Your Instruction Book provides information regarding operating instructions and user controls. Additionally, our Customer Care Center is staffed 24x7 with product experts that can assist you with any questions that may arise during setup and use of your RCA projector)

• Installation and setup service adjustments

• Damage caused by accident, abuse or misuse

• Products that have been modified or serviced by non-authorized personnel.

• Products purchased from non-authorized retailers, dealers or resellers

• Products purchased or serviced outside the USA or Canada

• Acts of nature, such as, but not limited to lightning damage

• This warranty covers only normal use of the product. 24-hour-per-day or other excessive continual use causes strain and is not considered normal use.

• The air intake and exhaust vent must be clear of obstructions. Inadequate air ventilation might cause the projector to malfunction or will cause damage to the projector which will void the warranty.

Limited Warranty

Limitation of Warranty:

• THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY TELEFIELD NA INC., ITS AGENTS, OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.

•REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. TELEFIELD NA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERENED BY THE LAWS OF THE STATE OF OREGON. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

How state law relates to this warranty:

• Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts so the above limitations or exclusions may not apply to you.

• This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the USA or Canada:
This warranty does not apply. Contact your dealer for warranty information.

Please do not send any products to the Oregon address listed in this manual or on the carton. This will only add delays in service for your product.

Telefield NA Inc.
4915 SW Griffith DR. #205
Beaverton, OR 97005

RCA is a trademark of RCA Trademark Management S.A., used under license.

©2011. All rights reserved.

Model P50
T00000XXXX
Printed in China